

Endolumenal prosthesis

ABSTRACT

An expandable endolumenal prosthesis comprises, in the non-expanded configuration, a tubular body extending along a longitudinal axis and having a distal end and a proximal end, the tubular body having a porous wall defined by a plurality of interlaced circumferential lines forming a pathway motif or pattern, in which:

- at least one line is closed onto itself,
- each of the lines extends along an axis,
- each of the lines comprises at least one plurality of modules,
- each module comprises three lobes, that is, two outer lobes and one inner lobe disposed between the two outer lobes in the pathway of the pattern,
- each lobe comprises one or more curved sections having concavities facing in the same direction defining an apex of the lobe,
- the lobes opening alternately on opposite sides of the pathway of the pattern along the extent of the line,
- both of the outer lobes of the three lobes being extended by straight outer arms,
- the at least one plurality of modules being arranged consecutively so as to have successive outer arms which extend from the outer lobes in substantially opposite directions relative to the pathway of the pattern for two successive modules,
- and in which, for each module, the distance between the apex of one of the outer lobes and the apex of the inner lobe of the same module is less than the distance between the apex of the same outer lobe and the apex of any outer lobe of an adjoining module.